

Rule 315 - Large Sources

21. **Allowable Emissions:** The Permittee shall not allow emissions into the atmosphere to exceed any of the following limits:

	Daily Emission Limits	Twelve Month Rolling Total Emission Limits
Volatile Organic Compounds (VOCs)		
Total Suspended Particulates		
Particulates Smaller Than 10 Microns (PM10)		
Total Hazardous Air Pollutants (HAP)		
Any Single Hazardous Air Pollutant (HAP)		

The twelve month rolling total emission shall be calculated within 15 days following the end of each calendar month by summing the emissions over the most recent twelve calendar months.

22. **Controls:**

- a. The Permittee shall conduct all spray coating operations inside of the painting enclosure.
- b. The Permittee shall not conduct spray coating operations if there are gaps, tears or holes in the spray painting enclosure
- c. The Permittee shall conduct spray coating operations in such a manner that ensures that at least 96% of the over spray remains within the enclosure. This includes, but is not limited to the following:
 1. Using the spray gun in a horizontal or downward pointing manner so that over spray is directed at the walls or floor of the enclosure.
 2. Not spray painting within three feet of the open end and two feet of the top of the enclosure.
 3. Conducting spray coating operations when wind conditions do not cause over spray to be visibly emitted from the enclosure.
- d. The Permittee shall not conduct any coating operation, except as provided in 22.e. below, unless it is performed with a spray gun or other application equipment that is in the category listed below.
 1. A low pressure gun,
 2. An airless system, or

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3. An electrostatic system.
 - e. The Permittee shall not use a conventional air atomized spray gun, any spray gun using atomized air in excess of 12 psig, or a spray gun which the manufacturer specifies in writing can be used effectively above 12 psig, except in the following circumstances:
 1. For applying materials that have a VOC content not exceeding 2.0 lb_{VOC}/gal as applied, less water and non-precursor compounds.
 2. If such guns are designed and used solely for detailing and touch up with a maximum reservoir capacity of 8.8 fluid ounces (250 cc).
23. **Material Limitations:** Permittee shall not apply any surface coating, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contains VOCs in excess of the limits in Rule 336 §301, Table I.

Should the surface coating contain VOCs in excess of the limits established in the referenced Table I, the emissions to the atmosphere shall be controlled by an emission control system operated in accordance with Rule 336 §306.1 or be classified as one of the following types of coatings:

- a. sealants, adhesives, caulking and similar leak prevention coatings used on non-metallic substrates or for maintenance of existing equipment;
- b. adhesive and adhesive primer applications except those listed in Rule 336 §301, Table 1;
- c. joint fillers except for those listed in Rule 336 §301, Table 1;
- d. extreme performance coatings;
- e. Quality Class Q protective coating.
- f. low usage coatings which the aggregate of all formulations does not exceed 55 gallons per year facility-wide;
- g. touch up or repair coatings;
- h. coatings applied with an aerosol can.

Solvents used to clean coating application equipment are limited to a VOC-vapor pressure less than 35 mm Hg at 20° C (68° F) unless the solvent being used is the same as the one used in the coating, and it is applied without utilizing spray equipment.

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24. Record Keeping:

- a. The Permittee shall maintain a current list of VOC containing materials, including their formulations as applied, make-up solvents, and any other VOC containing materials used for surface coating operations at the facility, stating the VOC content of each in either pounds per gallon, grams per liter, or percent VOC by weight along with the specific gravity or density of the material.
- b. The Permittee shall keep monthly usage records for each coating which is in compliance with the VOC limits specified in Rule 336 §301, Table 1. For coatings that exceed Table 1 limits, the Permittee shall keep daily records.

The VOC content as received and as applied must be recorded. The Permittee shall keep a hardcopy of the VOC vapor pressure at 20° C (68° F) of all solvents used to clean spray guns, hoses, reservoirs, and any other type of coating equipment. The hardcopy documentation shall be in one of the following forms:

- I. current manufacturer's technical data sheet;
 - II. current manufacturer's material safety data sheet (MSDS);
 - III. actual test results using methods approved by the control officer;
 - IV. a letter signed by an official or lab manager of the product's supplier.
- c. The Permittee shall keep a log demonstrating that all training requirements of these Permit Conditions are being met.

25. **Training:** The Permittee shall fully train all individuals before they are allowed to operate any surface coating equipment. Training shall include, at a minimum, proper application techniques, cleaning procedures, and equipment setup and adjustment as well as record keeping, VOC containment and VOC disposal requirements. Refresher training shall be given at least annually.

26. Other:

- a. Spray Equipment Cleanup: The Permittee shall not use materials containing VOCs in the cleanup of the spray equipment used in surface coating operations unless:
 1. the equipment is disassembled and cleaned in:
 - a. a container which remains closed at all times, except when the application equipment is transferred into or out of the container, or
 - b. a commercially sold gun cleaning machine is used and maintained per manufacturer's recommendations.

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2. The used cleaning compounds are collected in a container which is closed when not in use and the solvent is disposed of in a manner which does not allow it to evaporate into the atmosphere.
- b. VOC Containment and Disposal: The Permittee shall take all reasonable measures to keep VOCs from evaporating into the atmosphere including, but not limited to:
1. All materials from which VOCs can evaporate, including coatings, fresh solvent, used solvent, waste solvent and solvent soaked rags and residues shall be stored in closed containers when not in use. Such containers one gallon and larger shall be legibly labeled with their contents. VOC containing materials shall be disposed of in closed containers.
 2. All containers and mixing tanks containing VOCs shall be leak free and shall be kept covered except when the materials are being transferred or when the containers are being cleaned.